



# Lake Borgne Shoreline Protection (PO-30)

## Project Status

**Approved Date:** 2002      **Project Area:** 201 acres  
**Approved Funds:** \$1.7 M      **Total Est. Cost:** \$21.6 M  
**Net Benefit After 20 Years:** 250 acres  
**Status:** Engineering and Design  
**Project Type:** Shoreline Protection

## Location

The project is located on the southwest shoreline of Lake Borgne at Old Shell Beach and Bayou Dupre in St. Bernard Parish, Louisiana.

## Problems

The narrow strip of marsh separating the Mississippi River Gulf Outlet (MRGO) and Lake Borgne is eroding on both sides. An opening between the lake and MRGO in the vicinity of Bayou Dupre is approximately 550 feet wide, and the shoreline erosion rate in this vicinity is estimated to be 10 feet per year. In the Old Shell Beach area, shoreline retreat is estimated to be 15 feet per year. The interior marsh loss is likely to accelerate the erosion process.

## Restoration Strategy

The project's objectives include: preventing and reducing Lake Borgne shoreline retreat in the areas adjacent to Old Shell Beach and Bayou Dupre in order to mitigate further joining of the lake and MRGO; reestablishing a sustainable lake rim; and preventing or reducing conversion of emergent marsh to open water.

Continuous foreshore rock dikes will be constructed approximately 17,700 feet from Doulluts Canal to Fort Bayou. This protection will tie into those dikes already present at Old Fort Beauregard Ruins (Fort Proctor). Additional rock dikes will be constructed approximately 6,300 feet to the east and 8,400 feet to the west of Bayou Dupre.



A narrow, deteriorating strip of marsh separates MRGO (left side of picture) and Lake Borgne (upper right). The community of Old Shell Beach, just out of view to the left, is becoming increasingly vulnerable as land loss continues.

## Progress to Date

The initial project from Priority Project List 10, Lake Borgne Shoreline Protection (PO-30), originally provided lakeside protection only to the Old Shell Beach area. The Louisiana Coastal Wetlands Conservation and Restoration Task Force approved funding for engineering and design of the original PO-30 project at the January 2001 meeting. In April 2002, the original project was combined with Lake Borgne Shoreline Protection at Bayou Dupre (PO-31) from Priority Project List 11.

Design is underway.

This project is listed on Priority Project List 10.

*For more project information, please contact:*






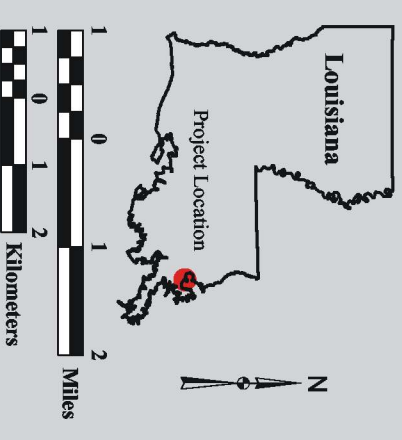
**Federal Sponsor:**  
U.S. Environmental Protection Agency  
Dallas, TX  
(214) 665-6722



**Local Sponsor:**  
Louisiana Department of Natural Resources  
Baton Rouge, LA  
(225) 342-7308

# Lake Borgne Shoreline Protection (PO-30)

-  Points of Interest
-  Shoreline Protection \*
-  Project Boundary
- \* denotes proposed features



Map Produced By:

U.S. Department of the Interior  
U.S. Geological Survey  
National Wetlands Research Center  
Coastal Restoration Field Station

Background Imagery:

2002 Thematic Mapper Imagery

Map Date: October 14, 2003

Map ID: USGS-NWRC 2003-11-076

Data accurate as of: August 5, 2004

